

REPORT NO.

CENTRAL INTELLIGENCE AGENCY

## CD NO.

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COUNTRY Germany (Russian Zone)

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**SUBJECT** Shortages and Bottlenecks Affecting Production  
of Aerial Training Device A-1 at Zeiss-Jena

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1. The following information concerning various raw material shortages and bottlenecks at Zeiss-Jena was extracted from a letter from Zeiss-Jena to DIA Feinmechanik-Optik, dated 28 February 1952, regarding the current Soviet order for NK A-1 devices, Export Order Number EO 9424/12 E-51 of 8 December 1951: \*\*
  - a. Agfa-Wolfsen will deliver needed "Reilit" projection screens only if Zeiss-Jena furnishes the four or five tons of methylene chloride necessary to manufacture the screens. DIA is requested to procure the methylene chloride.
  - b. An adhesive substance is required to stick rubber to metal. Formerly, "Teroakal", a product of the Terekon\* firm in Heidelberg, was used. Zeiss is now trying to arrange for production of a similar adhesive in the DDR.
  - c. There has been difficulty in procuring steel pipe of the following dimensions:

32 ж 6/135 кг.  
25 ж 3/260 кг.  
25 ж 2.5/50 кг.  
30 ж 2/150 кг.

DIA may be asked to help obtain the pine

- d. Asbestos sheeting of the following specifications is needed:

0.25 kg. with a thickness of 0.2 mm.  
0.1 kg. with a thickness of 0.5 mm.

If current attempts to find a substitute material should prove fruitless, DEA will be asked to import the sheets.

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- e. Eight kilograms of 3 x 0.35 mm. spring band steel are needed. If Zeiss is unable to find a firm willing to satisfy this need, DIA will be asked to help.
- f. Zeiss requires 70 kilograms of machine tool steel P, 5 mm. in diameter. This steel is used in the student's seat in the device. DIA may be asked to help.
- g. Zeiss is no longer able to obtain "Lakneisen", which was formerly supplied by Ernst Bollmann "Elektro- und Radio Grossvertrieb, Dresden". DIA may have to aid Zeiss here also.
- h. Eight thousand ball bearings are required for A-1 devices. It has been especially difficult to procure high accuracy ball bearings RL4 and RL6 and oblique bearings (Einstecklager) G205 and G21.
- i. At present, 180 throat microphones are needed. If attempts to obtain them are not successful, DIA may be called upon to import the microphones.
- j. The wire potentiometers used in the A-1 device were formerly obtained from Rosenthal-Porzellan AG, Selb,\*\*\*\* and the Moebes firm in Berlin, both Western firms. The LIT Bralowl-Bork, Teltow, is now attempting to produce the necessary potentiometers. The West Berlin government has refused to permit export of these instruments from West Germany.
- k. Toggle switches, which were formerly obtained from the J. & J. Harguardt firm, Mitholz in the Schwarzwald, are to be produced now by the H. Elektroinstallation, Herr H. Jendershausen (formerly Brunywell Fabrik fuer elektro-... Installationsmaterial).
- l. The RFT Kondensatorenwerk, Gera, is supposed to supply Zeiss with 500 condensers 2 MF/700 volts (type B, according to DIN-41 143). Supplies of 7 mm aluminum foil are at present arriving on schedule, but a stoppage of deliveries of the foil would necessitate DIA assistance.

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On 24 March 1952, Zeiss officials discussed with (fmu) Kochilin and (fmu) Paflyan, of the Soviet Trade Delegation in Berlin, the Soviet request for 200 copies of the Zeiss manual on the A-1. Zeiss is reluctant to accept the order because of the bulk of the books. The manual consists of the following four parts:

- a. technical description of the device
- b. instructions for repair
- c. testing journal
- d. photographs and sketches of the device

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CC: HT: Perhaps the TROCKEN-HEIM, Rich Loss, in Heidelberg is meant.

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For better information on the order for A-1 devices.

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Comment: Listed in 1950 Dresden telephone directory as Ernst Bollmann Elektro-Grosshdg.

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Comment: Listed in 1949 ABC der Deutschen Wirtschaft as Rosenthal-Isolatoren GmbH.

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